# ELATION
## PROFESSIONAL

# ACL 360 BAR™

## user manual

**Elation Professional USA |** 6122 S. Eastern Ave. **|** Los Angeles, CA. 90040

323-582-3322 **|** 323-832-9142 fax **|** www.elationlighting.com **|** info@elationlighting.com

**Elation Professional B.V**. **|** Junostraat 2 **|** 6468 EW Kerkrade, The Netherlands

+31 45 546 85 66 **|** +31 45 546 85 96 fax **|** www.elationlighting.eu **|** info@elationlighting.eu

# D O C U M E N T   V E R S I O N

**Please check** www.elationlighting.com **for the latest revision/update of this manual.**

| Date | Document Version | Software Version | DMX Channel Modes | Notes |
|---|---|---|---|---|
| 1/22/16 | 2 | IU01: ≥1.20<br>2U01: ≥1.20<br>3U01: ≥1.20 | Basic/Stand/Extend<br>17 / 19 / 43<br>UserA/UserB/UserC<br>20 /18 / 44 | Updated installation diagram and program chase macro descriptions.<br>Added new User A/B/C Modes DMX traits. |

# C O N T E N T S

# GENERAL INFORMATION

### INTRODUCTION

Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! This fixture has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

### UNPACKING

Every fixture has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

### BOX CONTENTS

- (1) Omega Bracket
- (1) powerCON Cable

**CUSTOMER SUPPORT**

Elation Professional® provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional®.

**ELATION SERVICE USA - Monday - Friday 8:00am to 5:00pm PST**
**Voice: 323-582-3322                Fax: 323-832-9142**
E-mail: support@elationlighting.com

**ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET**
**Voice: +31 45 546 85 30                Fax: +31 45 546 85 96**
E-mail: support@elationlighting.eu

**WARRANTY REGISTRATION**

Please complete and mail in the enclosed warranty card or register online: http://www.elationlighting.com/Login.aspx to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

## IMPORTANT NOTICE!

**There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. Damages resulting from modifications to this fixture and/or the disregard of safety and general user instructions found in this user manual void the manufactures warranty and are not subject to any warranty claims and/or repairs.**

# LIMITED WARRANTY

A.   Elation Professional® hereby warrants, to the original purchaser, Elation Professional® products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional® product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B.   For warranty service, send the product only to the Elation Professional® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional® will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional® shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof.

C.    This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional® factory unless prior written authorization was issued to purchaser by Elation Professional®; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D.   This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship.   The sole responsibility of Elation Professional® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional®. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.

E.   Elation Professional® reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F.   No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional® be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.

G.   This warranty is the only written warranty applicable to Elation Professional® products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

# SAFETY INSTRUCTIONS

This fixture is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

This device falls under **PROTECTION CLASS 1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.

## INDOORS USE ONLY!
## DO NOT EXPOSE FIXTURE RAIN AND MOISTURE!

## UNPLUG POWER BEFORE SERVICING FIXTURE!
## DO NOT PLUG FIXTURE INTO A DIMMER PACK!
### NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!

## NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
## SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

- For proper operation, follow the **Installation** guidelines described in this manual. Only qualified and certified personnel should perform installation of this fixture and only the original rigging parts (brackets) included with this fixture should be used for installation. Any modifications will void the original manufactures warranty and increase the risk of damage and/or personal injury.

- Never look directly into the light source of this fixture to prevent risk of injury to your retina, which may induce blindness. Those suffering from **EPILEPSY** should avoid looking directly into the light source of this unit at all times.

- The fan and air inlets must remain clean and never blocked. Allow approx. 6" (15cm) between this fixture and other devices or a wall for proper cooling.

- Always disconnect from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

- Do not operate this fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace it immediately with a new one of similar power rating.

# GENERAL GUIDELINES

- **NEVER OPEN THIS FIXTURE WHILE IN USE!**

- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

- This fixture is a professional lighting effect designed for **INDOOR / DRY LOCATIONS ONLY** on stage, in nightclubs, theatres, etc.

- Please make sure there are **NO FLAMMABLE MATERIALS** close to the fixture while operating, to prevent any fire hazard.

- The fixture must be installed in a location with adequate ventilation, at least 1.5 feet (.5m) from adjacent surfaces. Be sure no air ventilation slots are blocked.

- **DO NOT** attempt installation and/or operation without knowledge how to do so.

- **DO NOT** permit operation by persons who are not qualified to operate this type of fixture. Most damages are the result of operations by nonprofessionals.

- Consistent operational breaks may ensure the fixture will function properly for many years to come.

- **DO NOT** shake fixture, avoid brute force when installing and/or operating fixture.

- Always install the fixture with an appropriate safety cable. When installing the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, also be sure the hardware is insert in the pre-arranged screw holes in the bracket of the fixture.

- Use the original packaging and materials to transport the fixture in for service.

- **DO NOT TOUCH** the housing bare-hand during its operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before replacing or serving.

# FIXTURE OVERVIEW

| | | | |
|---|---|---|---|
| **1:** | **LCD Control Display** | **6:** | **Fuse** |
| **2:** | **DC Switch** | **7:** | **powerCON IN** |
| **3:** | **UP, DOWN, LEFT, RIGHT, ENTER Buttons** | **8:** | **3pin, 5pin DMX IN** |
| **4:** | **MODE Button** | **9:** | **3pin, 5pin DMX OUT** |
| **5:** | **NET IN/OUT (RJ45 Ethernet)** | **10:** | **powerCON OUT** |

# FIXTURE INSTALLATION

> ⚠ **FLAMMABLE MATERIAL WARNING**
> **Keep fixture at least 5.0 ft (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.**

> ⚠ **ELECTRICAL CONNECTIONS**
> **A qualified electrician should be used for all electrical connections and/or installations.**

# CAUTIONS

- For added protection, mount the fixture in areas outside walking paths, seating areas, or in areas were unauthorized personnel might reach the fixture.

- Ambient operating temperature range for this fixture is **5° to 113°F. (-15° to 45°C)** Do not use the fixture under or above this temperature.

- Before mounting the fixture to any surface, make sure the installation area can hold a minimum point load of 10 times the weight of the fixture.

- Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

- Never stand directly below the device when mounting, removing or servicing.

## MOUNTING POINTS

- Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

- Fixture is fully operational in the specific mounting positions as illustrated below.
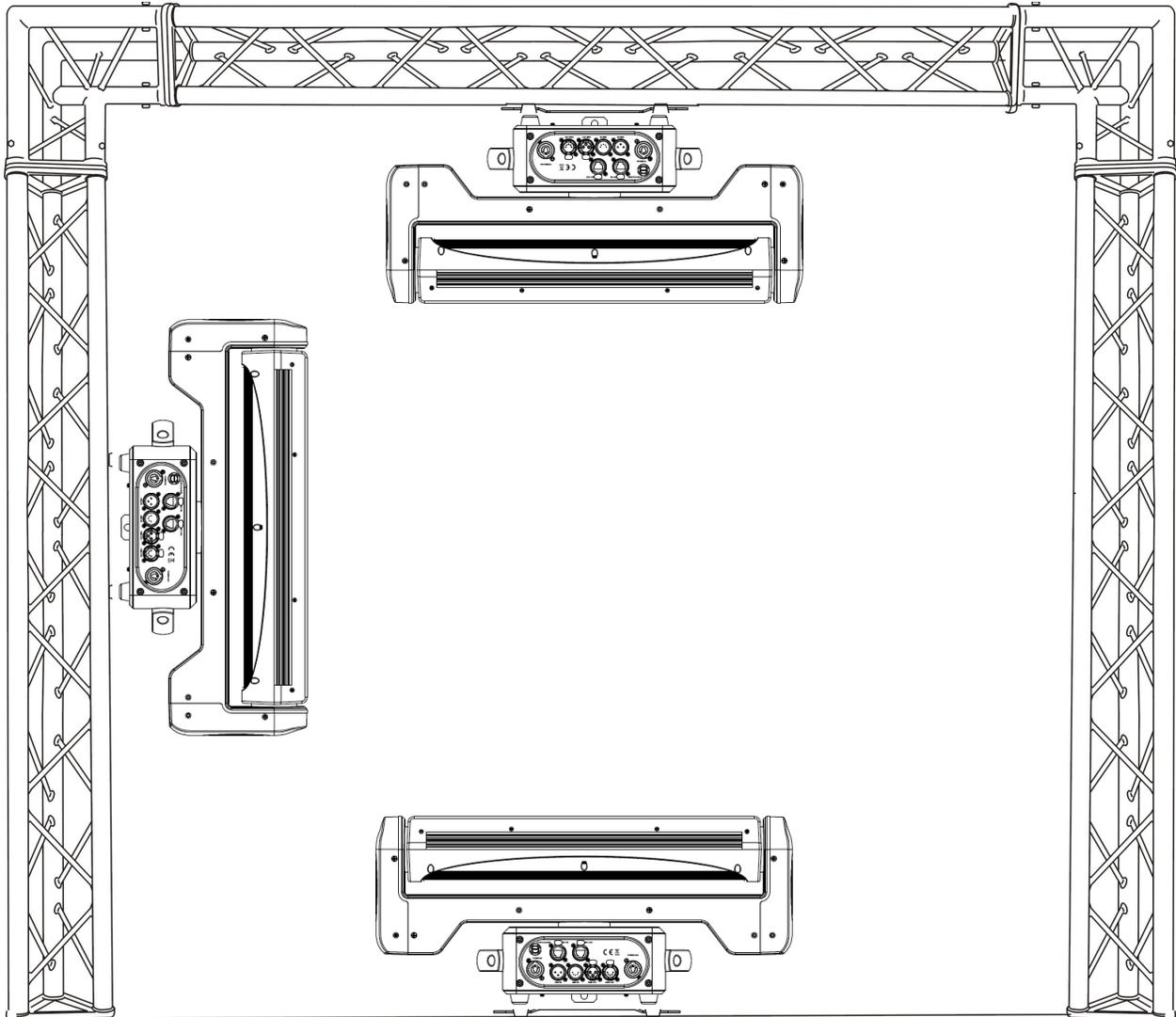


## ☞ SAFETY CABLE

**ALWAYS USE A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT DROP IF THE CLAMP FAILS.**

## POWER LINKING

☞ Max number of units that can be power linked is **7 units @110V** and **16 units @240V**.

## CLAMP MOUNTING

The fixture provides a unique mounting assembly **(Omega Bracket)** that integrates the bottom of the base. (See the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included **Omega Bracket** using a M10 screw fitted through the center hole of the **Omega Bracket**. Be sure to attach an appropriate **Safety Cable** (not included) to the fixture using the safety cable rigging point integrated in the base assembly**.**
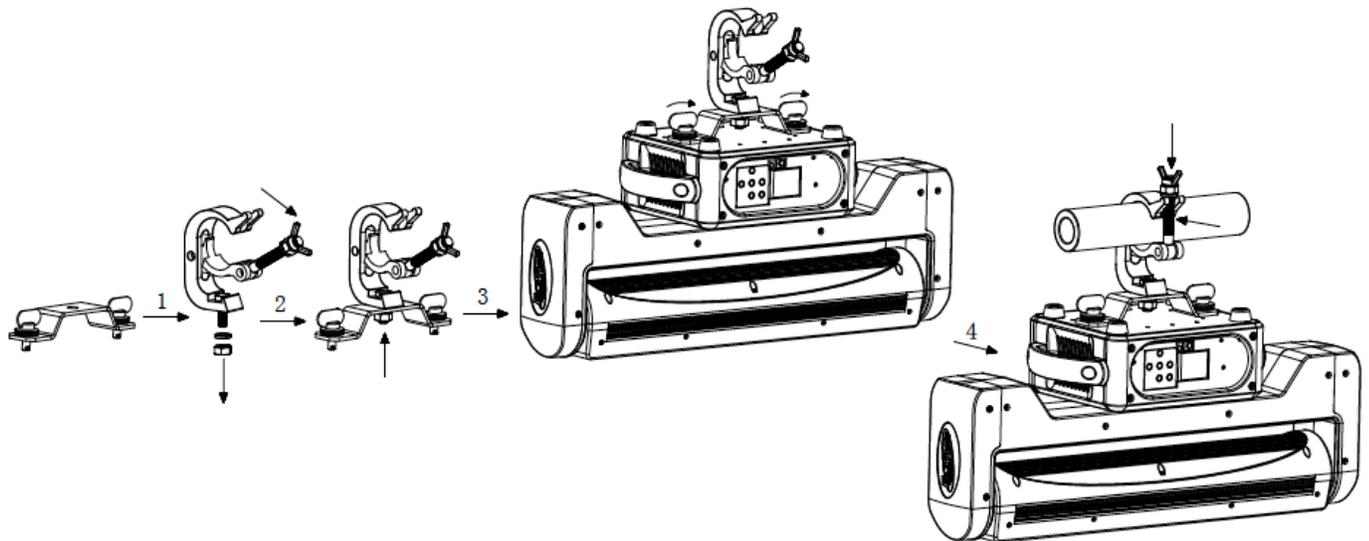


## SECURING

Regardless of the rigging option you choose for your fixture always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

# FIXTURE MENU

**ON-BOARD SYSTEM MENU**

The fixture comes with an easy to navigate system menu. The next section will detail the functions of each command in the system menu.

**LCD MENU CONTROL PANEL**

The control panel (see image below) located on back of the fixture allows you to access the main menu and make all necessary adjustments to the fixture. During normal operation, pressing **MODE** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the sub-menus with the **UP, DOWN, RIGHT,** and **LEFT** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **MODE/ESC** button.

👉 **NOTE**: To access the LCD Menu Control Display via the internal battery, press and hold the **DC SWITCH** button for 3 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press.
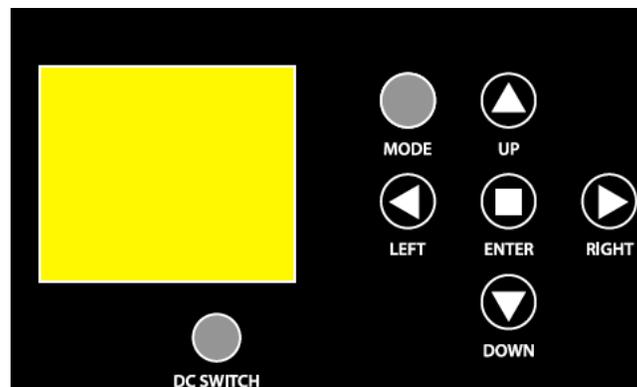


**INFORMATION DISPLAYED DURING INITIAL POWER ON**

When the fixture is initially powered ON, the display shows the following information:

| Software Update Please Wait... | ➡ | Motor Reset Please Wait... |

| ELATION© ACL 360 BAR™ <br> S Y S T E M   M E N U | | | |
|---|---|---|---|
| Specifications and features are subject to change without any prior written notice. | | | |
| **MAIN MENU** | **SUB MENU** | **OPTIONS / VALUES** (Default Settings in **BOLD**) | **DESCRIPTION** |
| Receive | Set DMX Address | A001~AXXX | DMX Address Setting |
| User Mode | User Mode | **Standard**, Basic, Extend, User A, User B, User C | Set DMX Channel Modes |
| | Edit A | Max. Chan | Edit User Defined Channel Assignments |
| | Edit B | : | |
| | Edit C | Fade Time | |
| Function | Status | Remote Add | **ON**/OFF | Address Via DMX |
| | | NoDMX Mode | **Hold** / Auto / Blackout | Function If NO DMX Detected |
| | | Pan Invert | ON/**OFF** | Pan Reverse Movement |
| | | TiltInvert | ON/**OFF** | Tilt Reverse Movement |
| | | Pan Degree | 630/**540** | Pan Degree Select |
| | | Feedback | **ON**/OFF | Movement Feedback |
| | | Move. Spd | Speed **1** ~ 4 | Movement Mode Select |
| | | Stand By | OFF, 01M~99M, **15M** | Stand By Mode |
| | Fixture ID | ServicePIN | PIN=XXX | Service PIN **050** |
| | | RDM PID | **XXXXX** | RDM PID Code |
| | | UnitIPAddr | XXX.XXX.XXX.XXX. | Enter Fixture's IP Address |
| | | Universe | 000-255 | Enter Universe Number |
| | ProtocolSet | **ArtNet**, Kling-Net | Fans Speed Select |
| | Net Switch | **ON**/OFF | Activate NET OUT Port. |
| | LCD. Set | Backlight | 02~60m **05m** | LCD Backlight Shut Off Time |
| | | FlipDisplay | ON/**OFF** | Flip Display 180º |
| | | Key Lock | ON/**OFF** | Control Buttons Key Lock |
| | | Disp Flash | **ON**/OFF | Display flashes when NO DMX |
| | Dim Curve | **Standard**, Stage, TV, Architectur, Theatre | Set Dimmer Curve Mode |
| | Temp. C/F | Celsius/**Fahrenheit** | Temperature Switch Between C°/ F° |
| | Init. Effect | PAN =XXX | Initial Effect Position |
| | Disp. Set | Chan. Value | PAN... | Value of each Channel Displayed |
| | | Slave Set | Slave 1, Slave 2, Slave 3 | Set Slave Mode Preset |
| | | Auto.Pro | Alone, Master | Set Auto Program Mode |
| | DFSE | ON/**OFF** | Restore Factory Settings |
| Information | Time. Info | Current | XXXX (Hours) | Fixture Run Time From Power ON |
| | | Total Time | XXXX (Hours) | Fixture Total Run Time |
| | | Last Clear | XXXX (Hours) | Clear Fixture Last Run Time |
| | | Timer PIN | PIN= **066** | Enter PIN to Access Clear Last. Menu |
| | | Clean Last | ON / **OFF** | Reset Fixture Last Run Time |
| | Temp. Info | Head Temp. | XXX C° / **F** ° | Temperature in Fixture Head |
| | Error. Info | | | Reset Error Message |
| | Model. Info | ACL 360 Bar | | Display Model Name |
| | Software Version | 1U01: | ≥V1.20 | Software Versions |
| | | 2U01: | ≥V1.20 | |
| | | 3U01: | ≥V1.20 | |
| | Error Info | Error Record 1 ~ Error Record 10 | | Pan.... |

| MAIN MENU | SUB MENU | OPTIONS / VALUES (Default Settings in **BOLD**) | | DESCRIPTION |
|---|---|---|---|---|
| | | ELATION© ACL 360 BAR™ | | |
| | | S Y S T E M   M E N U | | |
| | | Specifications and features are subject to change without any prior written notice. | | |
| Test | Reset. M | | | Reset of Pan/Tilt Motors |
| | Test. Chan | | | Test Functions |
| | Panel. Ctrl | | | Fine Adjustments |
| | Calibrate | Password | Password= **050** | Calibration of Motors and LEDs |
| Program | Select. Pro | Auto Pro Part1 = Program 1~9 **(Program 1)** | | Select Programs To Be Run |
| | | Auto Pro Part2 = Program 1~9 **(Program 2)** | | |
| | | Auto Pro Part3 = Program 1~9 **(Program 3)** | | |
| | Edit. Pro | Program 1 | Program Test | Testing Program |
| | | : | Step 01=SCxxx | Program In Loop |
| | | Program 9 | Step 64=SCxxx | Save and Exit |
| | Edit. Sce | Scene 001 ~ Scene 250 | Pan,Tilt,…… | Save and Automatically Return |
| | | | --Fade Time-- --Scene Time-- | Manual Scenes Edit |
| | | | Input By Outside | Stores Scenes via Ext DMX Console |
| | Sce. Input | XX~XX | | Automatic Scenes Recorder |

### Function - Status - <u>Remote Add</u>

When ON, define the desired DMX address of fixture via an external controller.

1.  Connect the fixture to the external controller and power ON.
2.  Set the DMX value of **Channel 1** on the controller to **(7)**.
3.  Set the DMX value of **Channel 2** on the controller to **(7)** or **(8)**.

    When set to **(7)**, the DMX address can be set between **(1)** and **(255)**.

    When set to **(8)**, the DMX address can be set between **(256)** and **(511)**.
4.  Using **Channel 3** on the controller set the desired DMX address of the fixture.

    **Example 1:**
    If the desired DMX address is **57**, set **Channel 1** to a value of **(7)**, set **Channel 2** to a value of **(7)**, and then set **Channel 3** to a value of **(57)**.

    **Example 2:**
    If the desired DMX address is **420**, set **Channel 1** to a value of **(7)**, set **Channel 2** to a value of **(8)**, and then set **Channel 3** to a value of **(164)**. (256+164=420)
5.  After setting **Channel 3** to the desired DMX address value, wait for approximately 20 seconds for the fixture to complete the address reset function.

## Function – Fixture ID - <u>RDM PID</u>

Select various submenus via RDM.

RDM stands for "Remote Device Management", which provides the ability to control the device remotely while connected to a DMX-bus. ANSI E1.20-2006 by ESTA specifies the RDM standard as an extension of the DMX512 protocol. Manual settings like adjusting the DMX starting address are no longer needed. This is especially useful when the device is installed in a remote area.

RDM ready and conventional DMX devices can be operated in one DMX line. The RDM protocol sends its own packages in the DMX512 data feed and does not influence conventional devices. If DMX splitters are used and RDM control is to be used, these splitters must support RDM. The number and type of RDM parameters depend on the RDM controller being used.

## Function - <u>Dim Curve</u>

Select desired DIMMER MODE (**Standard**, Stage, TV, Architectural, Theatre).
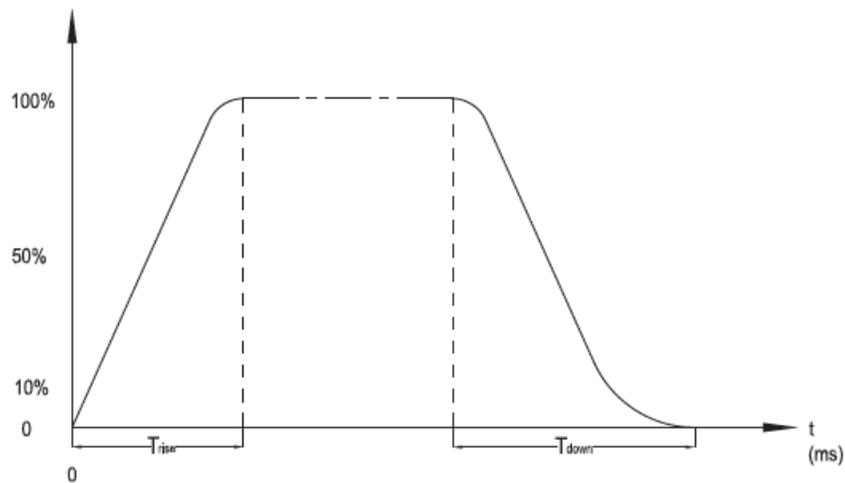


| Ramp Effect | $0 \underset{}{\overset{255}{\rule{0pt}{0pt}}}$ 0S (Fade Time) | | $0 \underset{}{\overset{255}{\rule{0pt}{0pt}}}$ 1S (Fade Time) | |
|---|---|---|---|---|
| | $T_{rise}$ (ms) | $T_{down}$ (ms) | $T_{rise}$ (ms) | $T_{down}$ (ms) |
| Standard | 0 | 0 | 0 | 0 |
| Stage | 780 | 1100 | 1540 | 1660 |
| TV | 1180 | 1520 | 1860 | 1940 |
| Architectural | 1380 | 1730 | 2040 | 2120 |
| Theatre | 1580 | 1940 | 2230 | 2280 |

**Test – <u>Calibrate</u>**

☞ **<span style="color:red">ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION.</span>**

This function allows small adjustments to be made to the effect wheels to compensate for ware or in the event a sensor has been knocked slightly out of place. Because improper use of this function can result in undesired operation this function has been password protected. The password is **050** and must be entered each time the calibration menu function is entered. Because calibration is an extremely delicate procedure, instructions on performing this action are left out of this manual. For a first time calibrator, please contact our customer support team for step-by-step instructions.

# DMX CHANNEL FUNCTIONS AND VALUES

| ELATION© ACL 360 BAR™ |||||
|---|---|---|---|---|
| DMX Channel Values / Functions Version 1 (43 DMX Channels) |||||
| Release Date: 1/22/2016 \| Supports Software Versions: ≥1.20 |||||
| Specifications are subject to change without any prior written notice. |||||
| *Pixel control position depends on the specific Pan/Tilt position of the head. |||||

| MODE / CHANNEL ||| VALUE | FUNCTION |
|---|---|---|---|---|
| **BASIC** | **STAND** | **EXTEND** | | |
| 1 | 1 | 1 | | PAN MOVEMENT [8 BIT] |
| | | | 0-255 | PAN Movement 630/540 |
| | 2 | 2 | | PAN FINE MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of PAN Movement |
| 2 | 3 | 3 | | TILT MOVEMENT [8 BIT] |
| | | | 0-255 | TILT Movement |
| | 4 | 4 | | TILT MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of TILT Movement |
| 3 | 5 | 5 | | PAN CONTINUOUS MOVEMENT |
| | | | 0-127 | NO FUNCTION |
| | | | 128-189 | PAN Clockwise from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| | | | 194-255 | PAN Counter-Clockwise from SLOW to FAST |
| 4 | 6 | 6 | | TILT CONTINUOUS MOVEMENT |
| | | | 0-127 | NO FUNCTION |
| | | | 128-189 | TILT Clockwise from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| | | | 194-255 | TILT Counter-Clockwise from SLOW to FAST |
| 5 | 7 | | | RED (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 6 | 8 | | | GREEN (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 7 | 9 | | | BLUE (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 8 | 10 | | | WHITE (ALL LEDs) |
| | | | 0-255 | BLUE FINE Adjustment |
| | | 7 | | *RED - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 8 | | *GREEN - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 9 | | *BLUE - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 10 | | *WHITE - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 11 | | *RED - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 12 | | *GREEN - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 13 | | *BLUE - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 14 | | *WHITE - LED 2 |
| | | | 0-255 | 0 to 100% |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| BASIC | STAND | EXTEND | | |
| | | 15 | | *RED - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 16 | | *GREEN - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 17 | | *BLUE - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 18 | | *WHITE - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 19 | | *RED - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 20 | | *GREEN - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 21 | | *BLUE - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 22 | | *WHITE - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 23 | | *RED - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 24 | | *GREEN - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 25 | | *BLUE - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 26 | | *WHITE - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 27 | | *RED - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 28 | | *GREEN - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 29 | | *BLUE - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 30 | | *WHITE - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 31 | | *RED - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 32 | | *GREEN - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 33 | | *BLUE - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 34 | | *WHITE - LED 7 |
| | | | 0-255 | 0 to 100% |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| BASIC | STAND | EXTEND | | |
| 9 | 11 | 35 | | COLOR MACROS |
| | | | 0 | OFF |
| | | | 1-4 | COLOR MACRO 01 |
| | | | 5-8 | COLOR MACRO 02 |
| | | | 9-12 | COLOR MACRO 03 |
| | | | 13-16 | COLOR MACRO 04 |
| | | | 17-20 | COLOR MACRO 05 |
| | | | 21-24 | COLOR MACRO 06 |
| | | | 25-28 | COLOR MACRO 07 |
| | | | 29-32 | COLOR MACRO 08 |
| | | | 33-36 | COLOR MACRO 09 |
| | | | 37-40 | COLOR MACRO 10 |
| | | | 41-44 | COLOR MACRO 11 |
| | | | 45-48 | COLOR MACRO 12 |
| | | | 49-52 | COLOR MACRO 13 |
| | | | 53-56 | COLOR MACRO 14 |
| | | | 57-60 | COLOR MACRO 15 |
| | | | 61-64 | COLOR MACRO 16 |
| | | | 65-68 | COLOR MACRO 17 |
| | | | 69-72 | COLOR MACRO 18 |
| | | | 73-76 | COLOR MACRO 19 |
| | | | 77-80 | COLOR MACRO 20 |
| | | | 81-84 | COLOR MACRO 21 |
| | | | 85-88 | COLOR MACRO 22 |
| | | | 89-92 | COLOR MACRO 23 |
| | | | 93-96 | COLOR MACRO 24 |
| | | | 97-100 | COLOR MACRO 25 |
| | | | 101-104 | COLOR MACRO 26 |
| | | | 105-108 | COLOR MACRO 27 |
| | | | 109-112 | COLOR MACRO 28 |
| | | | 113-116 | COLOR MACRO 29 |
| | | | 117-120 | COLOR MACRO 30 |
| | | | 121-124 | COLOR MACRO 31 |
| | | | 125-128 | COLOR MACRO 32 |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| BASIC | STAND | EXTEND | | |
| | | | | COLOR MACROS [continued] |
| | | | 129-132 | COLOR MACRO 33 |
| | | | 133-136 | COLOR MACRO 34 |
| | | | 137-140 | COLOR MACRO 35 |
| | | | 141-144 | COLOR MACRO 36 |
| | | | 145-148 | COLOR MACRO 37 |
| | | | 149-152 | COLOR MACRO 38 |
| | | | 153-156 | COLOR MACRO 39 |
| | | | 157-160 | COLOR MACRO 40 |
| | | | 161-164 | COLOR MACRO 41 |
| | | | 165-168 | COLOR MACRO 42 |
| | | | 169-172 | COLOR MACRO 43 |
| | | | 173-176 | COLOR MACRO 44 |
| | | | 177-180 | COLOR MACRO 45 |
| | | | 181-184 | COLOR MACRO 46 |
| | | | 185-188 | COLOR MACRO 47 |
| 9 | 11 | 35 | 189-192 | COLOR MACRO 48 |
| | | | 193-196 | COLOR MACRO 49 |
| | | | 197-200 | COLOR MACRO 50 |
| | | | 201-204 | COLOR MACRO 51 |
| | | | 205-208 | COLOR MACRO 52 |
| | | | 209-212 | COLOR MACRO 53 |
| | | | 213-216 | COLOR MACRO 54 |
| | | | 217-220 | COLOR MACRO 55 |
| | | | 221-224 | COLOR MACRO 56 |
| | | | 225-228 | COLOR MACRO 57 |
| | | | 229-232 | COLOR MACRO 58 |
| | | | 233-236 | COLOR MACRO 59 |
| | | | 237-240 | COLOR MACRO 60 |
| | | | 241-244 | COLOR MACRO 61 |
| | | | 245-248 | COLOR MACRO 62 |
| | | | 249-252 | COLOR MACRO 63 |
| | | | 253-255 | COLOR MACRO 64 |
| | | | | SHUTTER / STROBE |
| | | | 0-31 | LEDs OFF |
| | | | 32.63 | LEDs ON |
| | | | 64-95 | Strobe Effect SLOW to FAST |
| 10 | 12 | 36 | 96-127 | LEDs ON |
| | | | 128-159 | Pulse Effect in Sequences |
| | | | 160-191 | LEDs ON |
| | | | 192-223 | Random Strobe Effect SLOW to FAST |
| | | | 224-255 | LEDs ON |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| BASIC | STAND | EXTEND | | |
| 11 | 13 | 37 | | DIMMER INTENSITY |
| | | | 0-255 | Intensity 0 to 100% |
| 12 | 14 | 38 | | DIMMER INTENSITY FINE |
| | | | 0-255 | Dimmer Intensity FINE Adjustment |
| 13 | 15 | 39 | | AUTO PROGRAM MACROS |
| | | | 0 | NO FUNCTION |
| | | | 1-20 | 01 - Single LED Chase Sequence #1 |
| | | | 21-40 | 02 - Center LED ON then Burst LEDs Out Towards Both Ends and Back |
| | | | 41-60 | 03 - Single LED Chase Sequence #2 |
| | | | 61-80 | 04 - Single LED Chase in Alternating Directions Sequence |
| | | | 81-100 | 05 - Single to ALL LED Fill Chase in Same Direction Sequence |
| | | | 101-120 | 06 - All LEDs ON Color Changing Sequence |
| | | | 121-140 | 07 - Outside to Inside back to Outside LEDs Chase / Color Sequence |
| | | | 141-160 | 08 - Single LED Chase Sequence Yellow/Green Color |
| | | | 161-180 | 09 - Single LED Chase Sequence Light Purple Color |
| | | | 181-200 | 10 - Single LED Chase Sequence Light Blue Color |
| | | | 201-220 | 11 - Outside to Inside back to Outside LEDs Chase Sequence Yellow/Green Color |
| | | | 221-240 | 12 - Outside to Inside back to Outside LEDs Chase Sequence Light Purple Color |
| | | | 241-250 | 13 - Outside to Inside back to Outside LEDs Chase Sequence Light Blue Color |
| | | | 251-255 | 14 - All LEDs ON Color Gradient Sequence |
| 14 | 16 | 40 | | AUTO PROGRAM MACRO SPEED |
| | | | 0-255 | Auto Program Macro Speed SLOW to FAST |
| 15 | 17 | 41 | | DIMMING CURVE MODES |
| | | | 0-20 | STANDARD |
| | | | 21-40 | STAGE |
| | | | 41-60 | TV |
| | | | 61-80 | ARCHITECTURAL |
| | | | 81-100 | THEATRE |
| | | | 101-255 | Default to Unit Setting |
| 16 | 18 | 42 | | PAN / TILT MOVEMENT SPEED |
| | | | 0-225 | MAX to MIN SPEED |
| | | | 226-235 | Blackout By Movement |
| | | | 236-255 | NO FUNCTION |
| 17 | 19 | 43 | | LAMP ON/OFF, RESET, INTERNAL PROGRAMS |
| | | | 0-79 | Normal |
| | | | 80-84 | ALL Motor Reset |
| | | | 85-99 | NO FUNCTION |
| | | | 100-119 | Internal Program 1 (scene1~8 of EEPROM) |
| | | | 120-139 | Internal Program 2 (scene9~16 of EEPROM) |
| | | | 140-159 | Internal Program 3 (scene17~24 of EEPROM) |
| | | | 160-179 | Internal Program 4 (scene25~32 of EEPROM) |
| | | | 180-199 | Internal Program 5 (scene33~40 of EEPROM) |
| | | | 200-219 | Internal Program 6 (scene41~48 of EEPROM) |
| | | | 220-239 | Internal Program 7 (scene49~56 of EEPROM) |
| | | | 240-255 | NO FUNCTION |

| ELATION© ACL 360 BAR™ | | | | |
|---|---|---|---|---|
| DMX Channel Values / Functions Version 2 (44 Total DMX Channels) | | | | |
| Release Date: 1/22/2016 \| Supports Software Versions: ≥1.20 | | | | |
| Specifications are subject to change without any prior written notice.<br>*Pixel control position depends on the specific Pan/Tilt position of the head. | | | | |
| MODE / CHANNEL | | | VALUE | FUNCTION |
| USER A | USER B | USER C | | |
| 1 | 1 | 1 | | PAN MOVEMENT [8 BIT] |
| | | | 0-255 | PAN Movement 630/540 |
| 2 | | 2 | | PAN FINE MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of PAN Movement |
| 3 | 2 | 3 | | TILT MOVEMENT [8 BIT] |
| | | | 0-255 | TILT Movement |
| 4 | | 4 | | TILT MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of TILT Movement |
| 5 | 3 | 5 | | SPEED PAN/TILT MOVEMENT |
| | | | 0-225 | MAX to MIN SPEED |
| | | | 226-235 | BLACKOUT by Movement |
| | | | 236-255 | NO FUNCTION |
| 6 | 4 | 6 | | PAN CONTINUOUS MOVEMENT |
| | | | 0-127 | NO FUNCTION |
| | | | 128-189 | Forwards PAN Rotation from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| | | | 194-255 | Backwards PAN Rotation from SLOW to FAST |
| 7 | 5 | 7 | | TILT CONTINUOUS MOVEMENT |
| | | | 0-127 | NO FUNCTION |
| | | | 128-189 | Forward TILT Rotation from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| | | | 194-255 | Backwards TILT Rotation from SLOW to FAST |
| 8 | 6 | | | RED (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 9 | 7 | | | GREEN (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 10 | 8 | | | BLUE (ALL LEDs) |
| | | | 0-255 | 0 to 100% |
| 11 | 9 | | | WHITE (ALL LEDs) |
| | | | 0-255 | BLUE FINE Adjustment |
| | | 17 | | *RED - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 18 | | *GREEN - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 19 | | *BLUE - LED 1 |
| | | | 0-255 | 0 to 100% |
| | | 20 | | *WHITE - LED 1 |
| | | | 0-255 | 0 to 100% |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| USER A | USER B | USER C | | |
| | | 21 | | *RED - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 22 | | *GREEN - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 23 | | *BLUE - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 24 | | *WHITE - LED 2 |
| | | | 0-255 | 0 to 100% |
| | | 25 | | *RED - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 26 | | *GREEN - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 27 | | *BLUE - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 28 | | *WHITE - LED 3 |
| | | | 0-255 | 0 to 100% |
| | | 29 | | *RED - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 30 | | *GREEN - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 31 | | *BLUE - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 32 | | *WHITE - LED 4 |
| | | | 0-255 | 0 to 100% |
| | | 33 | | *RED - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 34 | | *GREEN - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 35 | | *BLUE - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 36 | | *WHITE - LED 5 |
| | | | 0-255 | 0 to 100% |
| | | 37 | | *RED - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 38 | | *GREEN - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 39 | | *BLUE - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 40 | | *WHITE - LED 6 |
| | | | 0-255 | 0 to 100% |
| | | 41 | | *RED - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 42 | | *GREEN - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 43 | | *BLUE - LED 7 |
| | | | 0-255 | 0 to 100% |
| | | 44 | | *WHITE - LED 7 |
| | | | 0-255 | 0 to 100% |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| USER A | USER B | USER C | | |
| 12 | 10 | 8 | | SHUTTER / STROBE |
| | | | 0-31 | LEDs OFF |
| | | | 32.63 | LEDs ON |
| | | | 64-95 | Strobe Effect SLOW to FAST |
| | | | 96-127 | LEDs ON |
| | | | 128-159 | Pulse Effect in Sequences |
| | | | 160-191 | LEDs ON |
| | | | 192-223 | Random Strobe Effect SLOW to FAST |
| | | | 224-255 | LEDs ON |
| 13 | 11 | 9 | | DIMMER INTENSITY |
| | | | 0-255 | Intensity 0 to 100% |
| 14 | 12 | 10 | | COLOR MACROS |
| | | | 0-7 | NO FUNCTION |
| | | | Aug-39 | from RED to YELLOW |
| | | | 40-71 | from YELLOW to GREEN |
| | | | 72-103 | from GREEN to CYAN |
| | | | 104-135 | from CYAN to BLUE |
| | | | 136-167 | from BLUE to MAGENTA |
| | | | 168-199 | from MAGENTA to RED |
| | | | 200-231 | from RED to WHITE |
| | | | 232-255 | Crossfading Colors from SLOW to FAST |

| MODE / CHANNEL | | | VALUE | FUNCTION |
| --- | --- | --- | --- | --- |
| USER A | USER B | USER C | | |
| | | | | COLOR PRESETS |
| 15 | 13 | 11 | 0-4 | NO FUNCTION |
| | | | 5-9 | WHITE 2,700K |
| | | | 10-14 | WHITE 3,200K |
| | | | 15-19 | WHITE 4,200K |
| | | | 20-24 | WHITE 5,600K |
| | | | 25-29 | WHITE 6,500K |
| | | | 30-34 | WHITE 8,000K |
| | | | 35-39 | YELLOW |
| | | | 40-44 | MAGENTA |
| | | | 45-49 | CYAN |
| | | | 50-54 | SALMON |
| | | | 55-59 | TURQUOISE |
| | | | 60-64 | LIGHT GREEN |
| | | | 65-69 | STEEL BLUE |
| | | | 70-74 | ORANGE |
| | | | 75-79 | STRAW |
| | | | 80-84 | PALE LAVENDER |
| | | | 85-89 | PINK |
| | | | 90-94 | RED |
| | | | 95-99 | GREEN |
| | | | 100-104 | BLUE |
| | | | 105-109 | RAINBOW 1 |
| | | | 110-114 | RAINBOW 2 |
| | | | 115-119 | RAINBOW 3 |
| | | | 120-124 | RAINBOW 4 |
| | | | 125-129 | RAINBOW 5 |
| | | | 130-134 | RAINBOW 6 |
| | | | 135-139 | RAINBOW 7 |
| | | | 140-144 | RAINBOW 8 |
| | | | 145-149 | RAINBOW 9 |
| | | | 150-154 | RAINBOW 10 |
| | | | 155-159 | RAINBOW 11 |
| | | | 160-164 | RAINBOW 12 |
| | | | 165-169 | RAINBOW 13 |
| | | | 170-174 | RAINBOW 14 |
| | | | 175-179 | RAINBOW 15 |
| | | | 180-184 | RAINBOW 16 |
| | | | 185-189 | RAINBOW 17 |
| | | | 190-194 | RAINBOW 18 |
| | | | 195-199 | RAINBOW 19 |
| | | | 200-255 | RESERVED |
| 19 | 17 | 15 | | COLOR PRESETS DIMMER |
| | | | 0-255 | Intensity 100% to 0% |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|---|---|---|---|---|
| USER A | USER B | USER C | | |
| 16 | 14 | 12 | | CHASE MACROS - NOTE: Color Must Be Selected To Engage Macros. |
| | | | 0-14 | LEDs OFF |
| | | | 15-30 | 01 - Single LED Chase Sequence #1 |
| | | | 31-46 | 02 - Center LED ON then 2 Single LEDs Burst Out Towards Both Ends |
| | | | 47-62 | 03 - Single LED ON then Alternating Single LEDs ON |
| | | | 63-78 | 04 - Single LED ON to Other LEDs ON in Same Direction Sequence |
| | | | 79-94 | 05 - 2 LED Array Chase Sequence |
| | | | 95-110 | 06 - Single LED Chase Sequence #2 |
| | | | 111-126 | 07 - 4 LED Array to 3 LED Array Transition Sequence |
| | | | 127-142 | 08 - 3 LED Array Chase to Opposite Side Sequence |
| | | | 143-158 | 09 - 3 LED Array to 4 LED Array Flash Sequence |
| | | | 159-174 | 10 - 4 LED Array Chase To Opposite Side Sequence |
| | | | 175-190 | 11 - Single LED to Remaining 6 LEDs Fill In to Opposite Side Sequence |
| | | | 191-206 | 12 - Outer 3 LEDs Alternate Flash then Center LED Flashes Sequence |
| | | | 207-222 | 13 - Alternating 2 LED Array Flash Sequence |
| | | | 223-238 | 14 - Single to 7 LED Array ON then OFF in Same Direction Sequence |
| | | | 239-255 | 15 - Various LED Array Chase Sequence |
| 17 | 15 | 13 | | CHASE SPEED |
| | | | 0-125 | FAST to SLOW |
| | | | 126-130 | STOP (SPEED = 0) |
| | | | 131-255 | SLOW to FAST |
| 18 | 16 | 14 | | CHASE FADE |
| | | | 0-255 | Fade Chase |
| 20 | 18 | 16 | | RESET, INTERNAL PROGRAMS |
| | | | 0-79 | Normal |
| | | | 80-84 | ALL Motor Reset |
| | | | 85-87 | Scan Motor Reset |
| | | | 88-90 | NO FUNCTION |
| | | | 91-93 | NO FUNCTION |
| | | | 94-96 | NO FUNCTION |
| | | | 97-99 | NO FUNCTION |
| | | | 100-119 | Internal Program 1 (scene1~8 of EEPROM) |
| | | | 120-139 | Internal Program 2 (scene9~16 of EEPROM) |
| | | | 140-159 | Internal Program 3 (scene17~24 of EEPROM) |
| | | | 160-179 | Internal Program 4 (scene25~32 of EEPROM) |
| | | | 180-199 | Internal Program 5 (scene33~40 of EEPROM) |
| | | | 200-219 | Internal Program 6 (scene41~48 of EEPROM) |
| | | | 220-239 | Internal Program 7 (scene49~56 of EEPROM) |
| | | | 240-255 | NO FUNCTION |

# ERROR CODES

When power is applied, the unit will automatically enter a **"Motor Reset"** mode, which brings all the internal motors to a home position. If there is an internal problem with one or more of the motors, an error code (see below) will flash on the control display.

| ELATION© ACL 360 BAR™<br>E R R O R   C O D E S | |
|---|---|
| Specifications and features are subject to change without any prior written notice. | |
| **ERROR CODE** | **DESCRIPTION** |
| **TILT Er** | The TILT movement is not located in the default position after the reset. This message will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a motor failure (defective motor or defective motor IC drive on main PCB). This error may also be displayed if the head was blocked during a reset function |
| **PAN Er** | The PAN movement is not located in the default position after the reset. This message will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the head/yoke was blocked during a reset function. |

# CLEANING AND MAINTENANCE

> ⚠ **C A U T I O N**
> **Disconnect power before cleaning or maintenance.**

**CLEANING**

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics.

- Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
- Never use alcohol, solvents, or ammonia based cleaners.

**MAINTENANCE**

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.

# TECHNICAL SPECIFICATIONS

### SOURCE
(7) 15W RGBW 4-in-1 LEDs
100,000 Hour Average Lamp Life*

*May vary depending on several factors including but not limited to:
Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

### EFFECTS
Individual Pixel Control
Strobe and Selectable Dimming Curves

### COLOR
RGBW

### CONTROL / CONNECTIONS
(6) DMX Channel Modes (17 / 19 / 43) (20 / 18 / 44)
RDM (Remote Device Management)
6 Button Touch Control Panel
Full Color 180° Reversible LCD Menu Display
8 / 16 Bit Resolution Adjustable Movement
3pin/5pin DMX In/Out
RJ45 Ethernet In/Out (KlingNET™ / Art-NET)
powerCON Power In/Out

### SIZE / WEIGHT
Length: 22.6" (575mm)
Width: 7.2" (184mm)
Vertical Height: 10.2" (258mm)
Weight: 22.0 lbs. (10 kg)

### ELECTRICAL / THERMAL
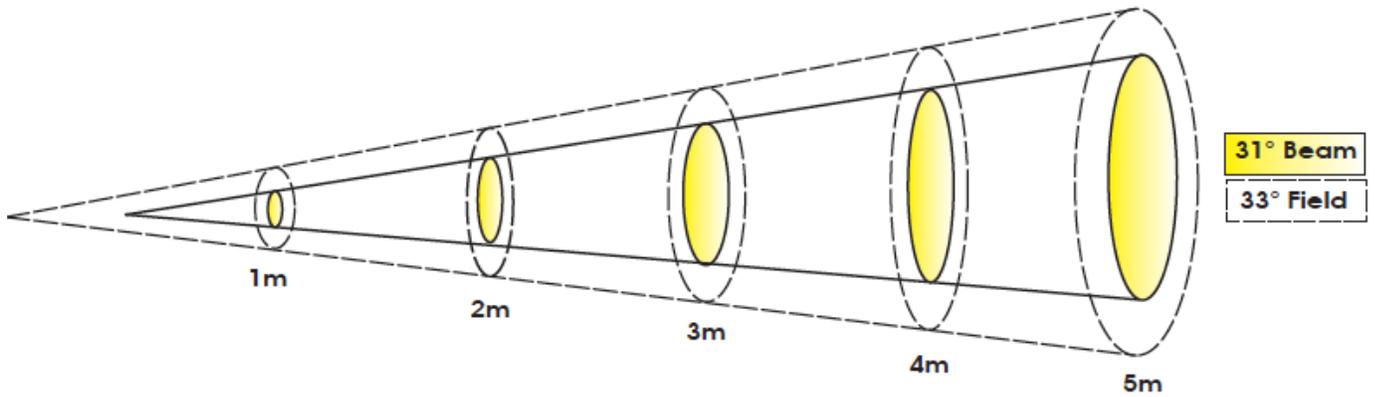AC 100-240V - 50/60Hz
135W Max Power Consumption
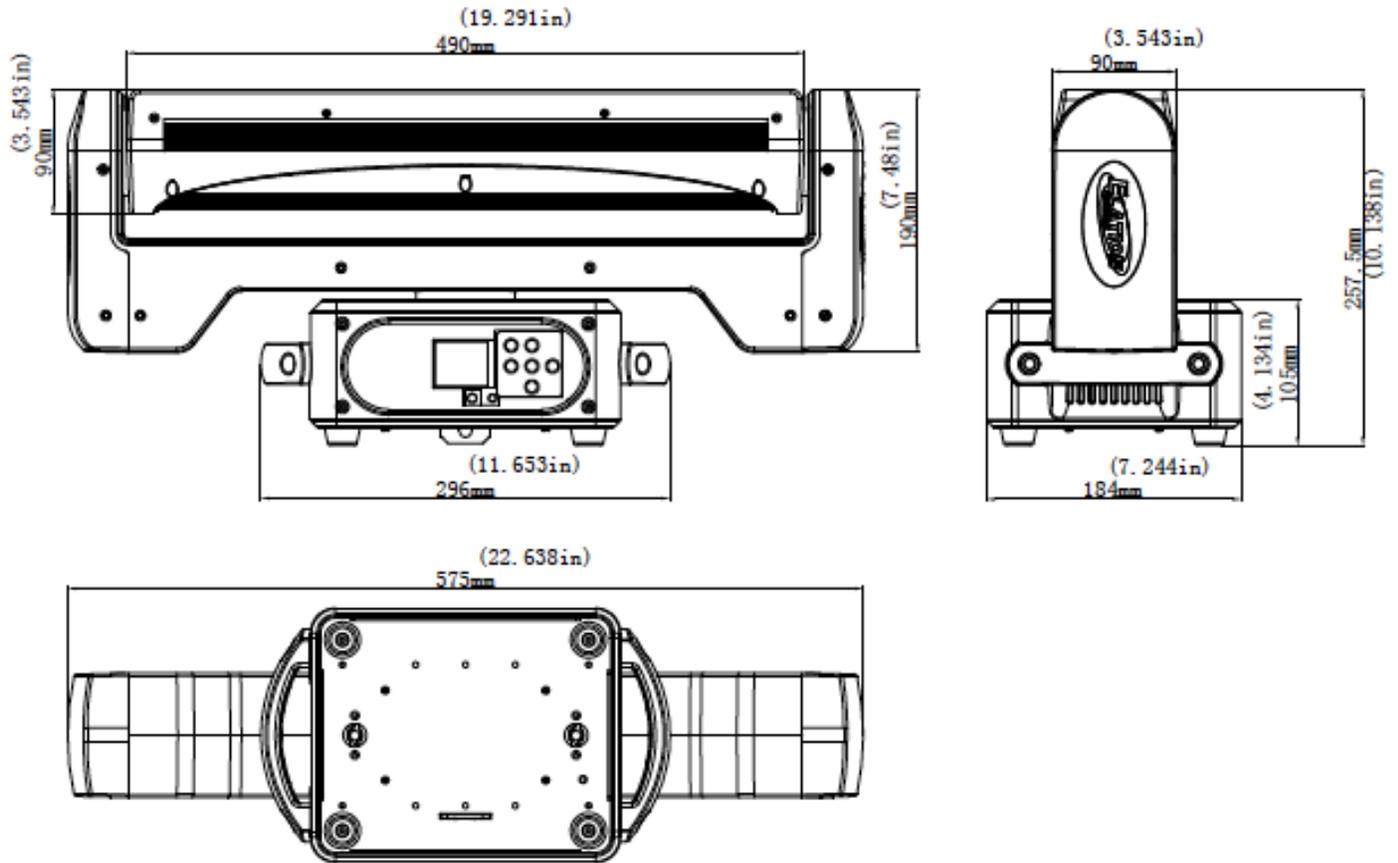5F to 113°F (-15°C to 45°C)

### APPROVALS / RATINGS
CE | IP30

**Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.**

## PHOTOMETRIC DATA



| | 1 m | 3.3 ft | | 2 m | 6.6 ft | | 3 m | 9.8 ft | | 4 m | 13.1 ft | | 5 m | 16.4 ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **31° Beam Diameter** | 0.53 | 1.7 | | 1.08 | 3.5 | | 1.61 | 5.3 | | 2.15 | 7.1 | | 2.68 | 8.8 |
| **33° Field Diameter** | 0.58 | 1.9 | | 1.14 | 3.7 | | 1.62 | 5.3 | | 2.21 | 7.3 | | 2.75 | 9.0 |
| | **lux** | **fc** | | **lux** | **fc** | | **lux** | **fc** | | **lux** | **fc** | | **lux** | **fc** |
| **RED LEDs** | 10,390 | 965 | | 5,508 | 512 | | 2,905 | 270 | | 2,092 | 194 | | 1,639 | 152 |
| **GREEN LEDs** | 16,970 | 1,577 | | 10,550 | 980 | | 5,740 | 533 | | 4,119 | 383 | | 3,053 | 284 |
| **BLUE LEDs** | 4,120 | 383 | | 2,507 | 233 | | 1,320 | 123 | | 1,149 | 107 | | 766 | 71 |
| **WHITE LEDs** | 28,150 | 2,615 | | 14,750 | 1,370 | | 7,516 | 698 | | 5,789 | 538 | | 3,584 | 333 |
| **FULL ON** | 44,440 | 4,128 | | 25,260 | 2,347 | | 15,430 | 1,433 | | 10,960 | 1,018 | | 8,081 | 751 |

## DIMENSIONAL DRAWINGS



**Please Note:** Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

# OPTIONAL ACCESSORIES

| ORDER CODE | ITEM |
|---|---|
| TRIGGER CLAMP | Heavy Duty Wrap Around Hook Style Clamp |
| DRC360BAR | ACL 360 BAR 4-Pack Road Case |
| CAT005 | 5' (1.5m) CAT6 EtherCON Cable |
| PLC3 | 3 ft. (1m) PowerCON PRO Link Cable |
| AC3PDMX5PRO | 5 ft. (1.5m) 3pin PRO DMX Cable |
| AC5PDMX5PRO | 5 ft. (1.5m) 5pin PRO DMX Cable |
| | Additional Cable Lengths Available |